

104 "Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

July 14, 1973

KS/McConnell

E 7.3 1083.0

CR-133335

Type I Progress Report: Period May 15, 1973 - July 14, 1973

Geologic Analysis and Evaluation of ERTS-A
Imagery for the State of New Mexico
MMC-262

Principal Investigator: Dr. Frank E. Kottlowski
GSFC ID No. S349
NASA Contract No. NAS5-21861

The main problem hindering this investigation is the limits of resolution of the ERTS system. Although the electronic dodging technique has definitely resulted in better quality imagery, the features we can discern on the ERTS images are features that are clearly shown by our pre-ERTS state geologic map and shaded relief map. The unusually cloudy weather abated somewhat and we now have coverage of the entire state at 10 percent or less cloud cover. We still are having difficulty generating satisfactory black and white enlargements. We have had some work done by a professional photogrammatist, who was able to do considerably better than our darkroom efforts.

The investigatory staff is continuing to study the images of the state as they arrive. Our work still mainly consists of visual examination, overlay mapping and comparison with other maps and photos. Most of our results have been substantiative, in the context that they show close agreement between the maps and the ERTS shots.

We have published no articles during the last two months nor do we have any changes to recommend concerning the present ERTS system. We have not changed our standing order during this report period, nor have we submitted any Image Description Forms or any retrospec

E73-10830) GEOLOGIC ANALYSIS AND
EVALUATION OF ERTS-A IMAGERY FOR THE
STATE OF NEW MEXICO Progress Report, 15
May - (New Mexico State Bureau of Mines
and Mineral) 1 p HC \$3.00

N73-27300

Unclas

G3/13 00830

CSCI 08G

Karl Vonder Linden

Mining Engineer and

Environmental Geologist

KV/ld